

## EAST Search History

| Ref # | Hits | Search Query   | DBs                          | Default Operator | Plurals | Time Stamp       |
|-------|------|--|------------------------------|------------------|---------|------------------|
| L1    | 1    | ("5501739").PN.  | US-PGPUB;<br>USPAT;<br>USOCR | OR               | OFF     | 2006/06/08 13:06 |
| S1    | 1    | ("5501739").PN.  | US-PGPUB;<br>USPAT;<br>USOCR | OR               | OFF     | 2003/12/08 11:27 |
| S2    | 1    | ("6096597").PN.  | US-PGPUB;<br>USPAT;<br>USOCR | OR               | OFF     | 2003/12/08 11:44 |
| S3    | 665  | kang-chang\$.in. hwang-doo\$.in. yoo-cha\$.in. park-young\$.in. park-hong\$.in.                                      | US-PGPUB;<br>USPAT           | OR               | ON      | 2003/12/08 11:46 |
| S4    | 129  | (kang-chang\$.in. hwang-doo\$.in. yoo-cha\$.in. park-young\$.in. park-hong\$.in.) and plasma                         | US-PGPUB;<br>USPAT           | OR               | ON      | 2003/12/08 11:47 |
| S5    | 81   | (kang-chang\$.in. hwang-doo\$.in. yoo-cha\$.in. park-young\$.in. park-hong\$.in.) and plasma and dielectric          | US-PGPUB;<br>USPAT           | OR               | ON      | 2003/12/08 12:45 |
| S6    | 1717 | ((118/719) or (414/939) or (156/345.31) or (156/345.32)). CCLS.  | US-PGPUB;<br>USPAT;<br>USOCR | OR               | OFF     | 2006/06/08 13:06 |
| S7    | 403  | "hmds" same organic  | US-PGPUB;<br>USPAT           | OR               | ON      | 2003/06/06 18:57 |
| S8    | 3    | ((((118/719) or (414/939) or (156/345.31) or (156/345.32)). CCLS.) and ("hmds" same organic)                         | US-PGPUB;<br>USPAT           | OR               | ON      | 2003/06/06 18:57 |
| S9    | 1725 | ((118/719) or (414/939) or (156/345.31) or (156/345.32)). CCLS.  | US-PGPUB;<br>USPAT;<br>USOCR | OR               | OFF     | 2003/06/16 07:17 |
| S10   | 1    | ((((118/719) or (414/939) or (156/345.31) or (156/345.32)). CCLS.) and ("plasma anneal" "ozone anneal")              | US-PGPUB;<br>USPAT           | OR               | ON      | 2003/06/16 07:22 |
| S11   | 96   | "plasma anneal" "ozone anneal"   | US-PGPUB;<br>USPAT           | OR               | ON      | 2003/06/16 07:22 |
| S12   | 16   | ("118"/\$.ccls. 156/345.\$.ccls. ) and "plasma anneal" "ozone anneal"  | US-PGPUB;<br>USPAT           | OR               | ON      | 2003/06/16 09:39 |
| S13   | 3    | ("5766360"   "5769588"   "5769952").PN.  | USPAT                        | OR               | ON      | 2003/06/16 07:37 |
| S14   | 15   | "5910218".URPN.  | USPAT                        | OR               | ON      | 2003/06/16 07:38 |
| S15   | 1    | ("5217559").PN.  | US-PGPUB;<br>USPAT;<br>USOCR | OR               | OFF     | 2003/06/16 08:50 |
| S16   | 292  | ("118"/\$.ccls. 156/345.\$.ccls. ) and (clean\$3 with gas with wall)   | US-PGPUB;<br>USPAT           | OR               | ON      | 2003/06/16 09:40 |
| S17   | 5    | ("118"/\$.ccls. 156/345.\$.ccls. ) and ((clean\$3 with gas with wall) same dielectric)                               | US-PGPUB;<br>USPAT           | OR               | ON      | 2003/06/16 09:48 |
| S18   | 2    | (c23c016\$.ipc.) and ((ozon\$3 with remov\$3) same exhaust)  | EPO; JPO;<br>DERWENT         | OR               | ON      | 2003/06/16 09:49 |
| S19   | 10   | ("118"/\$.ccls. 156/345.\$.ccls. ) and ((ozon\$3 with remov\$3) same exhaust)  | US-PGPUB;<br>USPAT           | OR               | ON      | 2003/06/16 09:49 |
| S39   | 74   | (coat\$3 deposit\$3) same dielectric same ((single "same") with chamber)   | EPO; JPO;<br>DERWENT         | OR               | ON      | 2005/07/13 14:18 |
| S40   | 1    | (coat\$3 deposit\$3) same dielectric same ((single "same") with chamber) same (anneal\$3 with (plasma oxygen ozone)) | EPO; JPO;<br>DERWENT         | OR               | ON      | 2005/07/13 14:20 |
| S41   | 10   | (coat\$3 deposit\$3) same ((single "same") with chamber) same (anneal\$3 with (plasma oxygen ozone))                 | EPO; JPO;<br>DERWENT         | OR               | ON      | 2005/07/13 14:28 |
| S42   | 305  | ("titanium nitride" with dielectric)   | EPO; JPO;<br>DERWENT         | OR               | ON      | 2005/07/13 14:47 |
| S43   | 94   | (coat\$3 deposit\$3) same ((single "same") with chamber) same (anneal\$3 with (plasma oxygen ozone))                 | US-PGPUB;<br>USPAT           | OR               | ON      | 2005/07/13 15:14 |

## EAST Search History

|     |     |  |                              |    |     |                  |
|-----|-----|--|------------------------------|----|-----|------------------|
| S44 | 71  | gilboa.in.   | US-PGPUB;<br>USPAT           | OR | ON  | 2005/07/13 14:28 |
| S45 | 100 | mosely.in.   | US-PGPUB;<br>USPAT           | OR | ON  | 2005/07/13 14:28 |
| S46 | 1   | S44 and S45  | US-PGPUB;<br>USPAT           | OR | ON  | 2005/07/13 14:28 |
| S47 | 40  | ("titanium nitride" and anneal\$3) and (S44 S45)   | US-PGPUB;<br>USPAT           | OR | ON  | 2005/07/13 14:47 |
| S48 | 14  | ("titanium nitride" same anneal\$3) and (S44 S45)  | US-PGPUB;<br>USPAT           | OR | ON  | 2005/07/13 14:47 |
| S49 | 5   | (S43 and (organic with liquid))  | US-PGPUB;<br>USPAT           | OR | ON  | 2005/07/13 15:00 |
| S50 | 26  | ("5534069"   "5597754"   "5863327"   "5910218"   "5972161"<br>  "5989999"   "6013576"   "6029602"   "6039770"  <br>"6040582"   "6055927"   "6073636"   "6074486"   "6074519"<br>  "6096592"   "6133086"   "6155198"   "6204203"  <br>"6207005"   "6281122"   "6281511"   "6291343"   "6303518"<br>  "6383951"   "6426308"   "6576528").PN. | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON  | 2005/07/13 14:57 |
| S51 | 0   | S50 and (organic with liquid with dielectric)  | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON  | 2005/07/13 14:58 |
| S52 | 1   | S50 and (organic with liquid)  | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON  | 2005/07/13 14:58 |
| S53 | 0   | (S43 and (dielectric with liquid))   | US-PGPUB;<br>USPAT           | OR | ON  | 2005/07/13 15:00 |
| S54 | 64  | (S43 and (dielectric ))  | US-PGPUB;<br>USPAT           | OR | ON  | 2005/07/13 15:00 |
| S55 | 12  | (S43 and (dielectric) and bubbler)   | US-PGPUB;<br>USPAT           | OR | ON  | 2005/07/13 15:00 |
| S56 | 1   | "5989999"  | DERWENT                      | OR | ON  | 2005/07/13 18:48 |
| S57 | 2   | "06009268"   | JPO;<br>DERWENT              | OR | ON  | 2005/07/13 18:59 |
| S58 | 1   | "20030134734"  | US-PGPUB;<br>USPAT           | OR | ON  | 2005/07/13 18:59 |
| S59 | 1   | ("5989999").PN.  | US-PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2005/07/25 14:22 |
| S60 | 1   | ("5246881").PN.  | US-PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2005/07/25 14:22 |
| S61 | 195 | "6" and (crystal\$8 with anneal\$3 with chamber)   | US-PGPUB;<br>USPAT           | OR | ON  | 2005/07/25 15:32 |
| S62 | 68  | "6" and (crystallization with anneal\$3 with chamber)  | US-PGPUB;<br>USPAT           | OR | ON  | 2005/07/25 15:33 |
| S63 | 5   | "6" and (crystallization with anneal\$3 with chamber)  | EPO; JPO;<br>DERWENT         | OR | ON  | 2005/07/25 15:34 |
| S64 | 0   | "6" and (crystallization with anneal\$3 with chamber) and<br>(transfer\$4 with chamber)  | EPO; JPO;<br>DERWENT         | OR | ON  | 2005/07/25 15:35 |
| S65 | 30  | "6" and (crystallization with anneal\$3 with chamber) and<br>(transfer\$4 with chamber)  | US-PGPUB;<br>USPAT           | OR | ON  | 2005/07/25 15:35 |
| S66 | 2   | "6" and (crystallization adj anneal\$3 adj chamber) and<br>(transfer\$4 with chamber)  | US-PGPUB;<br>USPAT           | OR | ON  | 2005/07/25 15:36 |
| S67 | 2   | (crystallization adj anneal\$3 adj chamber) and (transfer\$4 with<br>chamber)  | US-PGPUB;<br>USPAT           | OR | ON  | 2005/07/25 15:36 |

## EAST Search History

|     |    |  |                              |    |     |                  |
|-----|----|--|------------------------------|----|-----|------------------|
| S68 | 2  | (crystallization adj anneal\$3 adj chamber)  | US-PGPUB;<br>USPAT           | OR | ON  | 2005/07/25 15:36 |
| S69 | 0  | (crystallization adj anneal\$3 adj chamber)  | EPO; JPO;<br>DERWENT         | OR | ON  | 2005/07/25 15:36 |
| S70 | 1  | ("4951601").PN.  | US-PGPUB;<br>USPAT           | OR | OFF | 2005/12/24 00:03 |
| S71 | 70 | (118/719.cds. 156/345.31.cds. 156/345.32.cds.) and<br>(transfer\$4 same cluster same (load\$3 with lock\$3))   | US-PGPUB;<br>USPAT           | OR | ON  | 2005/12/24 00:06 |
| S72 | 5  | (118/719.cds. 156/345.31.cds. 156/345.32.cds.) and<br>(tepman.in.)   | US-PGPUB;<br>USPAT           | OR | ON  | 2005/12/24 00:06 |
| S73 | 31 | ("2766022"   "4094722"   "4100055"   "4148705"   "4149923"<br>  "4151034"   "4158589"   "4160690"   "4209357"  <br>"4231695"   "4534314"   "4539062"   "4547247"   "4585920"<br>  "4793975"   "4795299"   "4816638"   "4861563"  <br>"4969790"   "5024747"   "5058526"   "5076205"   "5092728"<br>  "5154730"   "5232508"   "5245736"   "5314574"  <br>"5388944"   "5460684"   "5516367").PN.  | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON  | 2005/12/24 00:07 |
| S74 | 34 | ("4318767"   "4405435"   "4477311"   "4498416"   "4534314"<br>  "4542712"   "4547247"   "4548699"   "4550239"  <br>"4563240"   "4584045"   "4587002"   "4592306"   "4622918"<br>  "4661196"   "4661228"   "4664062"   "4668338"  <br>"4668365"   "4670126"   "4674621"   "4705951"   "4713551"<br>  "4715764"   "4715921"   "4717461"   "4724621"  <br>"4756815"   "4763602"   "4770590"   "4775281"   "4825808"<br>  "4851101"   "4852516").PN. | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON  | 2005/12/24 00:08 |
| S75 | 1  | ("5217559").PN.  | US-PGPUB;<br>USPAT           | OR | OFF | 2005/12/24 01:12 |